

Dynamo Elect ISO 100

Oil for compressed air piston compressors

Technical Information Sheet

• Reliable protection •
Standard drain

Dynamo Elect ISO 100 is a high-quality oil for the lubrication of high-pressure reciprocating compressors. It is particularly suitable for the lubrication of compressed air reciprocating compressors, where discharge temperatures of up to 220°C are reached.

Performance, Features and Benefits

Extended Oil Life – Savings on Maintenance

Dynamo Elect ISO 100 offers extended service intervals for the pistons and valves in some cases.

Compressors can be used for a much longer period of time use remain at an undiminished high level of efficiency.

The ability to extend service intervals, are possible due to the resistance to the formation of carbon deposits and paints on valves and pistons at high operating temperatures and loads.

Excellent wear protection Corena S2 P provides metal surfaces with effective protection against corrosion and wear to extend the life of sensitive critical parts such as bearings and pistons.

Maintaining System Efficiency

Dynamo Elect ISO 100 helps the formation of carbon deposits and paints on valves and pistons at high operating temperatures and loads.

Such deposits can cause serious damage cause a reduction in compressor efficiency and increase maintenance costs. In addition, Dynamo Elect ISO 100 has good water separation, allowing excess water to be drained and accelerated

corrosion is prevented.

Increased safety in the air lines

In exhaust air pipes, the combination of rust particles disperses in carbonaceous deposits and heat from recently compressed air, may cause a reaction causing fire and explosion. Dynamo Elect ISO 100 helps minimize this potential hazard.

Applications

Compressed air reciprocating compressors

Dynamo Elect ISO 100 is suitable for use in industrial compressed air reciprocating compressors where discharge temperatures up to 220°C .

Compressor for breathing air

Dynamo Elect ISO 100 is suitable for compressed air compressors equipped with a specific filter system that ensures that the air produced is suitable for breathing.

Specifications, Approvals and Recommendations

DIN 51506 VBL

ISO 6743-3A-L DAA Normal Duty

For a complete overview of approvals and recommendations, please contact your locale Edmac representative.

Stability and Compatibility

Seal Compatibility

Dynamo Elect ISO 100 oils are compatible with all sealing materials commonly used in air compressors.

Analytical figures

Characteristics			Method	Dynamo Elect ISO 100
ISO Viscosity Class			ISO 3448	100
Kinematic Viscosity	@400C	mm ² /s	ASTM D445	100
Kinematic Viscosity	@1000C	mm ² /s	ASTM D445	9.2
Density	@150C	kg/m ³	ASTM D1298	899
Vlampunt (COC)		°C minimum	ASTM D92	205
Stolpunt		°C	ASTM D97	-33
Neutralization value		mg KOH/g	ASTM D974	0.3
Sulphate		% m	DIN 51575	0.06
Rust Prevention - Synthetic Seawater		degree	ASTM D665B	Pass
Watershed	@820C	min	ASTM D1401	20

The above values are "typical" values for current production.

Health, Safety and Environment

Health and Safety

If applied according to our instructions in the intended applications and if good industrial and personal hygiene is observed, it is unlikely that Dynamo Elect ISO 100 will cause any significant health and/or safety risks.

Avoid skin contact. Wear oil-tight gloves with used oil. After skin contact, wash immediately with soap and water.

Additional safety and health information is available on the appropriate safety data sheet.

Protect the environment

Dispose of used oil through an authorized disposal company. Prevent leakage to sewer, soil or surface water.

Additional information

Advice

Advice on applications not described in this data sheet is available from your local Edmac representative.

Viscosity - Temperature Diagram

